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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.
HELENA, MONTANA

VOL. IX., No. 1. THURBER'S HELENA January, 1961.

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of January, 1961, averaged 83,371 barrels daily, an increase of 1,135 barrels from the average December production of 82,236.

The nine refineries in the State processed 67,474 barrels of crude oil daily for the month of January, 1961, an increase of 5,364 barrels from the 62,110 barrels processed daily during the month of December, 1960.

During January, 38 wells were completed, 13 oil, 0 gas wells and 25 dry holes.

During January the Commission issued 23 permits to drill new wells, a decrease of 28 from the 51 permits issued during December.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF JANUARY, 1961

IN STORAGE JANUARY 1st:	
By Producers	359,360
By Transporters	669,036
By Refiners	652,546
TOTAL STORAGE	1,680,942
Produced in Montana During Month	2,584,516
Imported During Month	1,237,941
TOTALS	5,503,399
DISPOSITION:	
Refined in Montana	2,091,703
Exported	1,758,306
Used for Fuel or Lost	9,532
TOTAL	3,859,541
IN STORAGE JANUARY 31st:	
By Producers	363,206
By Transporters	645,474
By Refiner	635,178
TOTAL STORAGE	1,643,858

NATURAL GAS WITHDRAWALS IN MONTANA

Month of January, 1961

Field	M Cu. Ft.
Bears Den	0
Big Coulee	110,980
Bowdoin	823,698
Bowes	128,652
Box Elder	82
Cabin Creek	100,683
Cedar Creek	836,320
Clarks Fork	11,025
Cut Bank (including Reagan)	1,582,563
Devon	0
Dry Creek	200,034
Elk Basin	23,716
Flat Coulee	16,561
Golden Dome	0
Grandview	0
Hardin	4,410
Keith Block	332,179
Kevin Sunburst	115,090
Pine	71,984
Plevna	15,254
Utopia	101,029
Whitlash	97,857
Miscellaneous	56,056
TOTAL	4,628,173

Total Withdrawals for January, 1960 were 4,262,159 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF JANUARY, 1961

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
4	Ash Creek	4	437	2,466		1,762		1,141
5	Bannatyne	13	1,020	1,710		1,409		1,321
1	Belfry	1	385	1,440		1,667		158
11	Big Wall	25	2,953	20,903		20,336		3,520
11	Blackfoot	15	4,849	7,793		9,738	(6)	2,910
4	Border	4		1,338		1,338		
22	Bowes	75	5,252	21,157	22,385			4,024
	Bredette		1,113					1,113
2	Bredette, North	2	1,188	1,470	1,142			1,516
3	Brorson	3	4,714	2,488	2,048			5,154
2	Cabin Creek	104	6,732	396,624	394,871			8,485
22	Cat Creek	96	4,466	22,147	18,357	3,942		4,314
	Clark's Fork		183					183
2	Clark's Fork, North	3	3,249	6,000		6,000		3,249
1	Cupton	2	2,223	1,225	3,127			321
358	Cut Bank	1,039	123,255	186,596		185,585	23	124,243
3	Deer Creek	6	2,378	13,020	12,518			2,880
2	Delphia	2	959	1,342		1,158	133	1,010
	Devil's Basin		889					889
4	Dry Creek	4	1,251	2,872	3,104			1,019
4	Dwyer	4	3,286	14,626		15,112	24	2,776
7	Elk Basin	55	2,658	229,384	229,128			2,914
1	Fertile Prairie	6	1,039	678	1,200			517
2	Frannie	2	412	1,719	1,832			299
2	Gage	2	674	892		490	24	1,052
4	Gas City	10	5,132	16,352	17,073			4,411
6	Glendive	11	5,659	37,659	37,005			6,313
4	Gypsy Basin	4	1,204	1,039	1,111			1,132
1	Hibbard	1	891	3,902		3,791		1,002
10	Ivanhoe	18	6,697	41,295		40,824		7,168
6	Keg Coulee	6	4,903	56,049	50,901	7,000		3,051
181	Kevin-Sunburst	1,079	17,750	58,469	58,091		1,213	16,915
1	Little Beaver	15	2,877	37,310	35,886			4,301
4	Little Beaver, East	11	2,791	21,245	19,628			4,408
1	Mackay Dome	1	421	344				765
3	Melstone	8	2,598	2,862		2,550		2,910
5	Monarch	13	2,770	33,991	32,699			4,062
3	Mosser	5	271	408		426		253
7	Outlook	11	5,543	52,669	51,292			6,920
3	Outlook, South	3	1,897	3,959	3,561			2,295
10	Pennel	20	5,011	52,294	49,220		23	8,062
4	Pine	143	15,709	418,717	420,083			14,343
76	Pondera	292	7,919	41,328	39,970		(6)	9,283
7	Poplar, East	92	17,262	228,409	226,554			19,117
3	Poplar, Northwest	4	1,378	1,976	2,248			1,106
3	Ragged Point	9	3,323	11,283		9,900		4,706
4	Reagan	50	3,094	15,038	15,436			2,696
9	Red Creek	17	3,117	27,830		27,622		3,325
1	Redstone	1	640	1,141	1,330			451
1	Repeat	1	345	3,779	3,601			523
8	Richey	12	4,135	10,983	11,013			4,105
2	Richey, Southwest	2	1,847	5,663	5,471			2,039
5	Sand Creek	6	5,483	15,581	16,722			4,342
1	Sidney	1	266	1,391	1,444			213
2	Snyder	4	928	1,895		2,134		689
4	Soap Creek	8	3,332	5,108		6,444		1,996
9	Stensvad	25	9,881	140,582	139,649		557	10,257
27	Sumatra	88	19,264	201,652	152,109	49,459	1,301	18,047
5	Sweetgrass Hills	5	1,381	4,222		4,264		1,339
2	Tule Creek	2	2,420	21,956	21,073		1,478	1,825
1	Whitlash	1	5,573	874		874		5,573
9	Wills Creek	15	4,894	39,262	40,561			3,595
10	Wolf Springs	19	3,910	26,312	26,402			3,820
2	Woodrow	2	1,279	1,797	2,236			840
917		3,482	359,360	2,584,516	2,172,081	403,825	4,764	363,206

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1960	30,239,915	82,849	30,213,359	82,776
January, 1961	2,584,516	83,371	2,575,906	83,093

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1960	359,360	669,036	652,546	1,680,942
January, 1961	363,206	645,474	635,178	1,643,858

*Includes Wyoming Oil

TRANSPORTERS REPORT
MONTH OF JANUARY, 1961

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			1,762				1,762		
BANNATYNE—Truck			1,409			1,409			
BELFRY—Truck			1,667				1,667		
BIG WALL—Truck			20,336			20,336			
BLACKFOOT—Union Oil Co.			9,738			9,738			
BORDER—Truck			1,338			1,338			
BOWES—									
Trigood Oil Co.	2,368	2,958			219	2,316			2,791
Texaco, Inc.		19,427				19,427			
	2,368	22,385			219	21,743			2,791
BRORSON—Sun Oil Co.		2,048					2,048		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	335,542	965,233		495,962			1,487,791		308,951
Shell Pipe Line Corp.	5,355	153,781			(310)			157,621	1,825
	340,897	1,119,019		495,962	(310)		1,487,791	157,621	310,776
CAT CREEK—									
Continental Pipe Line Co.	7,203	18,357			(88)	20,698			4,950
Truck			3,942			3,942			
	7,203	18,357	3,942		(88)	24,640			4,950
CLARK'S FORK—Truck			6,000				6,000		
CUT BANK—									
Big West Oil Co.				11,491		11,491			
Darling Gathering System, Inc.	4,070	11,077				13,309			1,838
Phillips Petroleum Co.	66,794	59,223		24,547	482	67,881		3,637	78,565
Texas Pipe Line Co.	33,696	26,304			258			37,490	22,252
Toronto Pipe Line Co.	22,453	45,910			(87)			32,739	35,711
Union Oil Co.	91,450	62,989		19,710	1,129	81,867			91,153
	218,463	205,503		55,748	1,782	174,548		73,866	229,518
DELPHIA—Truck			1,158				1,158		
DRY CREEK—									
Marathon Pipe Line Co.	7,112	3,294			(50)			3,326	7,130
DWYER—Truck			15,112				15,112		
ELK BASIN—Ohio Oil Co.			229,128				229,128		
FRANNIE—Ohio Oil Co.			1,832				1,832		
GAGE—Truck			490				490		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	3,431	68,482			(1,126)		54,028	11,569	7,442
HIBBARD—Truck			3,791				3,791		
IVANHOE—Truck			40,824				40,824		
KEG COULEE—									
Crude Oil Pipeline, Inc.		50,901					50,901		
Truck			7,000			7,000			
		50,901	7,000			7,000	50,901		
KEVIN-SUNBURST—									
Big West Oil Co.	2,091	46,832				46,836			2,087
Homestake Oil & Gas Co.	2,105	2,455		13,309	(1)	17,147			723
The Texas Pipe Line Co.	4,077	28,063			164	18,583		7,697	5,696
	8,273	77,350		13,309	163	82,566		7,697	8,506
MELSTONE—Truck			2,550			2,550			
MOSSER—Truck			426				426		
PONDERA—Phillips Petr. Co.	19,786	42,315			728	35,875			25,498
POPLAR, BREDETTE, OUTLOOK, SOUTH OUTLOOK, REDSTONE, RICHEY & UNNAMED ROOSEVELT COUNTY—									
East Poplar Gathering System	10,091	314,152			228			310,940†	13,075
RAGGED POINT—Truck			9,900			9,900			
REAGAN—Union Oil Co.		15,436				15,436			
RED CREEK—Truck			27,622			4,364	23,258		
SIDNEY—Sun Oil Co.		1,444					1,444		
SNYDER—Truck			2,134				2,134		
SOAP CREEK—Truck			6,444				6,444		
SUMATRA AND STENSVAD—									
Crude Oil Pipeline, Inc.	43,515	291,758			978	183,504	124,368		26,423
Truck			49,459			49,459			
	43,515	291,758	49,459		978	232,963	124,368		26,423
SWEETGRASS HILLS—Truck			4,264			4,264			
WHITLASH—									
Homestake Oil & Gas Co.	386				386				
Western Natural Gas Co.	188								188
Truck			874			874			
	574		874		386	874			188
WOLF SPRINGS—									
Crude Oil Pipeline, Inc.	7,323	26,673			422	24,397			9,177
TOTALS	669,036	2,259,117	449,200	565,019	3,332	673,941	2,054,606	565,019	645,474

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields. †Transferred to Butte Pipe Line Co.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF JANUARY, 1961

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Texaco Inc.	Union Oil Co.	Total
Blackfoot									7,357	7,357
Bowes			19,173							19,173
Cat Creek		19,022		2,543		2,967				24,532
Cut Bank	37,307						68,476		81,820	187,603
Delphia						201				201
Dry Creek				2,900						2,900
Elk Basin		51,432			114,320					165,752
Gage						497				497
Ivanhoe						297				297
Kevin-Sunburst	36,347							88		36,435
Melstone				13,365						13,365
Pondera							34,849			34,849
Reagan									195	195
Red Creek									4,363	4,363
Sumatra		870		159,230	142,495	1,918				304,513
Whitlash									166	166
Wolf Springs					51,564					51,564
Total Montana Oil	73,654	71,324	19,173	178,039	308,379	5,880	103,325	88	93,901	853,762
Canadian Oil Imported									2,741	2,741
Wyoming Oil Imported		334,139		385,278	515,783					1,235,200
TOTAL Mont., Canadian & Wyoming Oil	73,654	405,463	19,173	563,316	824,162	5,880	103,325	88	96,642	2,091,703

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1960	28,852	56	39,406	68,314
January, 1960	29,583	—	45,947	75,530
January, 1961	27,540	89	39,845	67,474

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
42.23%	.09%	57.68%
36.16%		60.84%
40.81%	.14%	59.05%